AUTODOC CLUB

How to change serpentine belt on **BMW 7 (E38)** – replacement guide





SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:
BMW 7 (E38) 728i / iL 2.8, BMW 7 (E38) 728i X 2.8

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: BMW 5 Saloon (E39) 520i 2.0

REPLACEMENT: SERPENTINE BELT – BMW 7 (E38). TOOLS YOU'LL NEED:



- Combination spanner #13
- Combination spanner #32
- Drive socket # 16
- Ratchet wrench
- Torque wrench
- Fender cover

Buy tools





Replacement: serpentine belt – BMW 7 (E38). AUTODOC recommends:

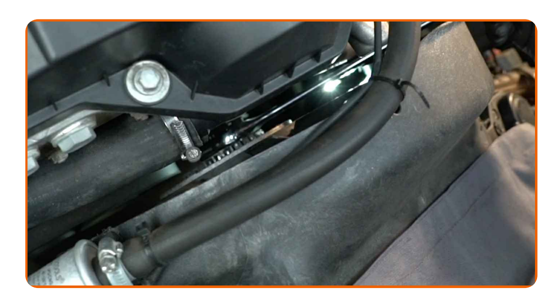
- All work should be done with the engine stopped.

REPLACEMENT: SERPENTINE BELT – BMW 7 (E38). USE THE FOLLOWING PROCEDURE:

1 Open the bonnet.

2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

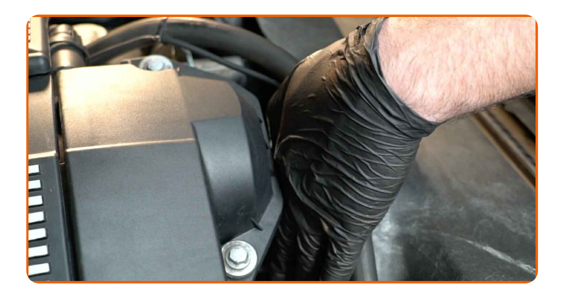
3 Unscrew the fastener of the viscous fan clutch. Use a combination spanner #32.



4 Remove the fan shroud seal.



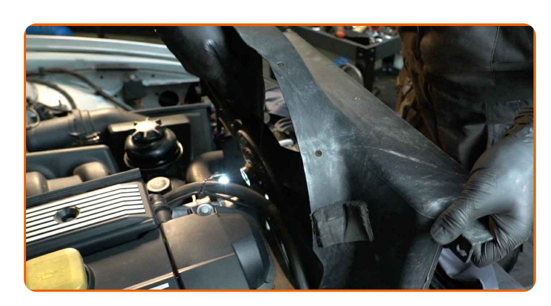
5 Unscrew and remove the viscous fan clutch.



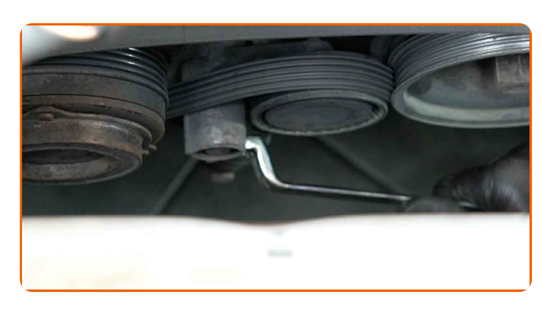




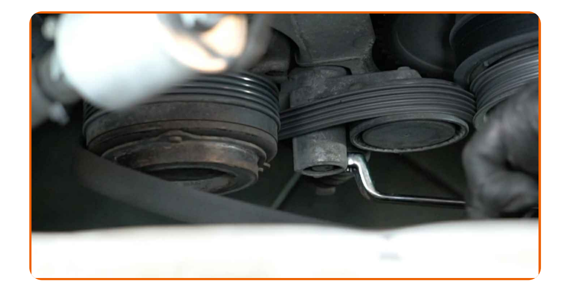
6 Remove the fan shroud.



7 Pull aside the AC compressor belt tensioner pulley. Use a combination spanner #13.



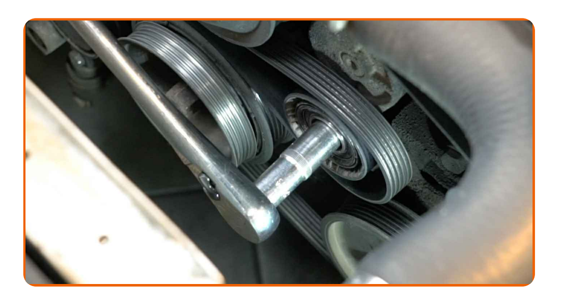
8 Remove the AC compressor belt.



9 Remove the tensioner pulley cap.



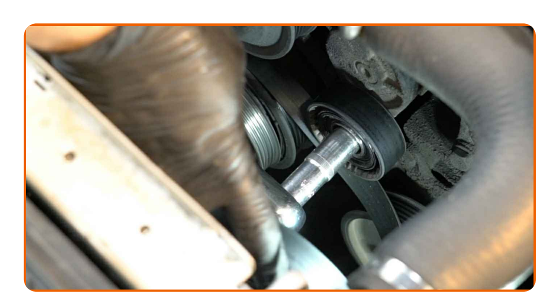
10 Pull aside the V-ribbed belt tensioner pulley. Use a drive socket #16. Use a ratchet wrench.







11 Remove the V-ribbed belt.



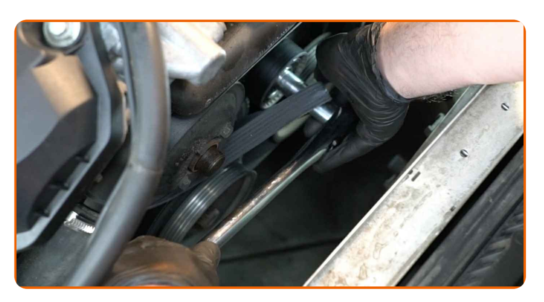
12 Return the tensioner pulley to its initial position. Use a drive socket #16. Use a ratchet wrench.



Replacement: serpentine belt – BMW 7 (E38). Professionals recommend:

- Check the condition of the tensioner pulley and idler pulley. Replace them if necessary.

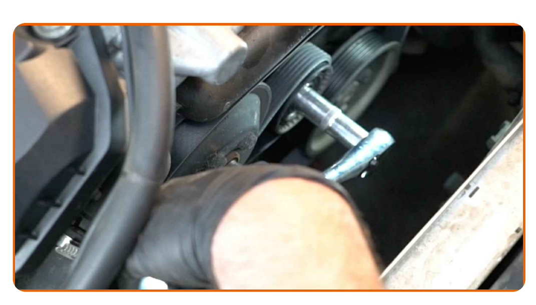
13 Pull aside the V-ribbed belt tensioner pulley. Use a drive socket #16. Use a ratchet wrench.







14 Install the V-ribbed belt.



Replacement: serpentine belt – BMW 7 (E38). Tip from AUTODOC:

- Make sure that the V-ribbed belt fits all pulleys snugly.

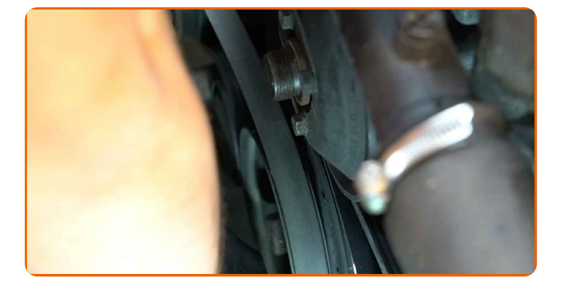
15 Return the tensioner pulley to its initial position. Use a drive socket #16. Use a ratchet wrench.



16 Reinstall the tensioner pulley cap.



17 Install the AC compressor belt.







Replacement: serpentine belt – BMW 7 (E38). Tip:

- Make sure that the V-ribbed belt fits all pulleys snugly.

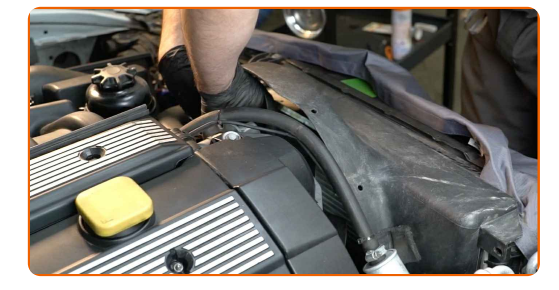
18 Return the tensioner pulley to its initial position. Use a combination spanner #13.



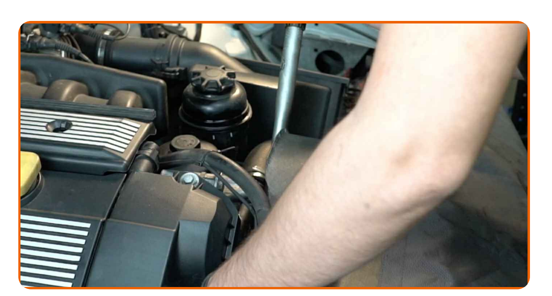
19 Install the fan shroud.



20 Install and screw in the viscous fan clutch.



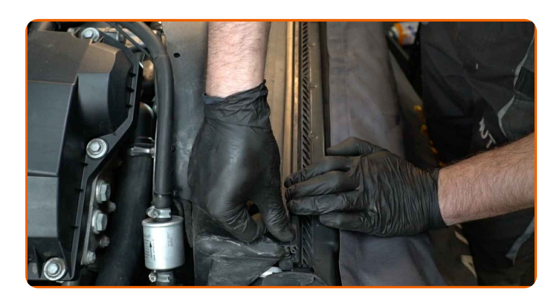
21 Tighten the fastener of the viscous fan clutch. Use a combination spanner #32. Use a torque wrench. Tighten it to 40 nm torque.







22 Reinstall the fan shroud seal.



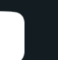
23 Remove the fender protection cover.

24 Close the hood.

WELL DONE!

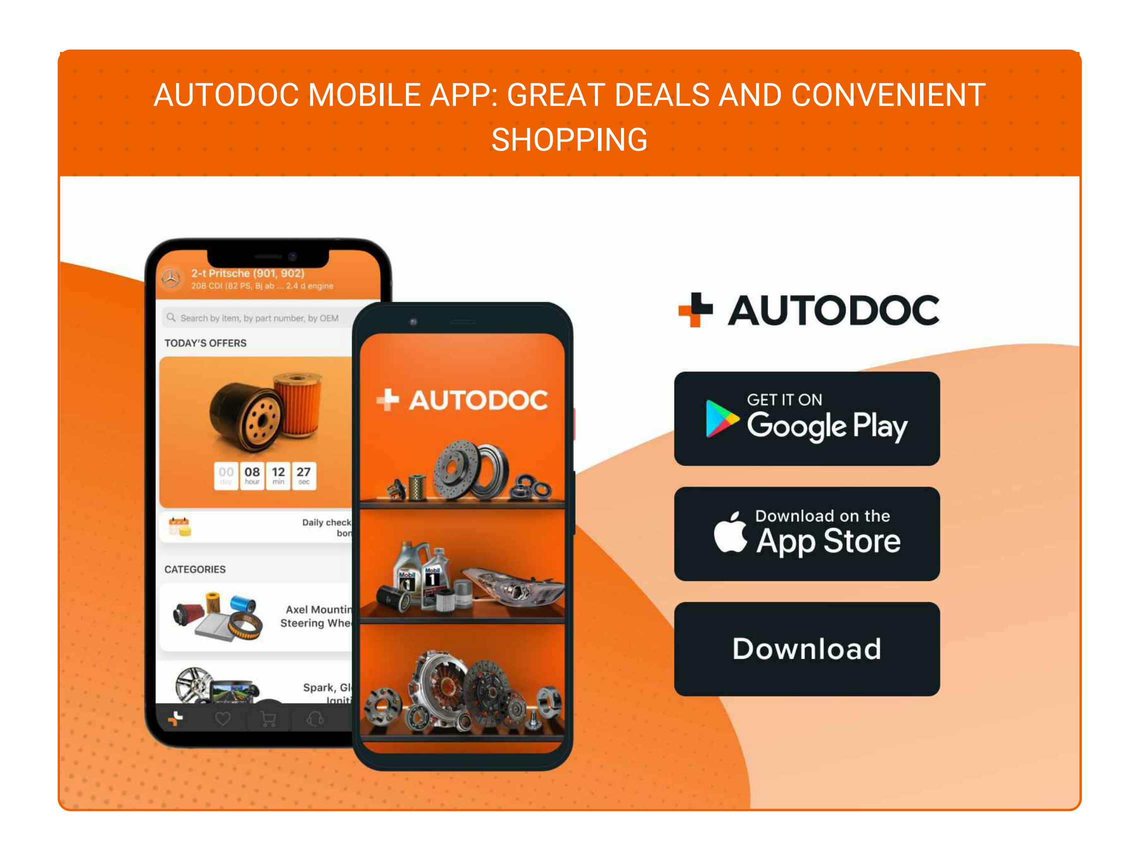








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